

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An injection molding apparatus for molding a seal member in which

a molten resin is injected by way of a gate into a cavity formed by mating a ~~moving~~ movable mold with a stationary mold;

the injected resin is cut by means of a gate seal pin provided on the ~~moving-side~~ movable mold while sealing the gate;

and

a seal member left on the movable ~~side-mold~~ is ejected by means of a plurality of ejector pins provided on the ~~moving-side~~ movable mold under a condition of opening said ~~moving~~ movable mold from said stationary mold, thereby molding the seal member;

the injection molding apparatus being provided with defined convex portions on said ~~moving-movable~~ mold and the defined convex portions forming recesses of wall thickness at portions not serving as sealing faces of the seal member,

wherein at an ejecting position, the ejector pins are adapted to contact the portions not serving as sealing faces of the seal member, ~~and~~

~~wherein the seal member is adapted to be used in valve timing adjustment devices.~~

2. (canceled).

3. (currently amended): The injection molding apparatus for molding the seal member according to claim 1, wherein said gate seal pin performs a function of ejecting the seal member left on the ~~moving side~~movable mold in cooperation with said ejector pins, and an ejecting position of said gate seal pin is adapted to contact portions not serving as sealing faces of the seal member.

4. (canceled).

5. (currently amended): An injection molding apparatus for molding a seal member in which

a molten resin is injected by way of a gate into a cavity formed by mating a ~~moving~~movable mold with a stationary mold;

the injected resin is cut by means of a gate seal pin provided on the ~~moving side~~movable mold while sealing the gate; and

a seal member left on the movable side is ejected by means of a plurality of ejector pins provided on the ~~moving side~~movable mold under a condition of opening said ~~moving~~movable mold from said stationary mold, thereby molding the seal member;

the injection molding apparatus being provided with defined concave portions on said ~~moving~~movable mold and the defined concave portions forming ribs at portions not serving as sealing faces of the seal member,

wherein at an ejecting position, the ejector pins are adapted to contact portions not serving as sealing faces of the seal member,~~and~~

~~wherein the seal member is adapted to be used in valve timing adjustment devices.~~

6. (canceled).

7. (currently amended): The injection molding apparatus for molding a seal member according to claim 5, wherein said gate seal pin performs a function of an ejecting the seal member left on the ~~moving side~~movable mold in cooperation with said ejector pins, and ejecting position of said gate seal pin is adapted to contact portions not serving as sealing faces of the seal member.

8. (canceled).

9. (currently amended): The injection molding apparatus for molding the seal member according to claim 1, wherein in said stationary mold, said cavity forming all the sealing faces of the seal member is formed on a mold-carrying face portion thereof.

10. (currently amended): The injection molding apparatus for molding the seal member according to claim 5, wherein in said stationary mold, said cavity forming all the sealing faces of the seal member is formed on a mold-carrying face portion thereof.

11. (currently amended): The injection molding apparatus for molding the seal member according to claim 1, wherein said recesses substantially increase friction between the seal member and the ~~moving side~~movable mold.

12. (currently amended): The injection molding apparatus for molding the seal member according to claim 5, wherein the defined concave portions substantially increase friction between the seal member and the ~~moving side~~movable mold.

13. (new): The injection molding apparatus for molding the seal member according to claim 1, wherein said convex portions are not provided with an undercut.